Freshwater Biology (1999) **41**, 849–852

Author Index to Volume 41

ADRIAN, R., WALTZ, N., HINTZE, T., HOEG, S. & RUSCHE, R. Effects of ice duration on plankton succession during spring in a shallow polymictic lake, 621

ALLENDORF, F.W. *see* HUGHES, J.M.

ALMODÓVAR, A. *see* MACHORDOM, A.

ANDERSON, E.L., WELCH, E.B., JACOBY, J.M., SCHIMEK, G.M. & HORNER, R.R. Periphyton removal related to phosphorus and grazer biomass level, 633

BAILEY-WATTS, A.E. *see* HEAD, R.M.

BAKKER, T.C.M. & MUNDWILER, B. Pectoral fin size in a fish species with paternal care: a condition-dependent sexual trait revealing infection status, 543

BALDWIN, D.S. Dissolved organic matter and phosphorus leached from fresh and 'terrestrially' aged river red gum leaves: implications for assessing riverfloodplain interactions, 675

BARTON, D.R. *see* KILGOUR, B.W.

BATLEY, G.E. *see* MAHER, W.

BAUMGARTNER, N. *see* WARINGER, J.

BELANGER, S.E. *see* GREENWOOD, J.L.

BELL, E.M. & LAYBOURN-PARRY, J. Annual plankton dynamics in an Antarctic saline lake, 507

BENFIELD, E.F. *see* WEBSTER, J.R.

BERTOLO, A., LACROIX, G., LESCHER-MOUTOUÉ, F. & SALA, S. Effects of physical refuges on fishplankton interactions, 975

BIGGS, H. *see* ROGERS, K.

BORNETTE, G. *see* GREULICH,S.

BOULTON, A.J. An overview of river health assessment: philosophies, practice, problems and prognosis, 469

BRIERLEY, G.J., COHEN, T., FRYIRS, K. & BROOKS, A. Post-European changes to the fluvial geomorphology of bega catchment, Australia: implications for river ecology, 839

BROOKS, A. *see* BRIERLEY, G.J.

BUNN, S.E., DAVIES, P.M. & MOSISCH, T.D. Ecosystem measures of river health and their response to riparian and catchment degradation, 333

BURNS, C.W. *see* COUCH, K.M.

BUTTURINI, A. & SABATER, F. Importance of transient storage zones for ammonium and phosphate retention in a sandy-bottom Mediterranean stream, 593

CALE, D.J. *see* SMITH, M.J.

CALLOW, M.E. SEE WOODRUFF, S.L.

CASAS, J.J. & GESSNER, M.O. Leaf litter breakdown in a Mediterranean stream characterised by travertine precipitation, 781

CHESSMAN, B., GROWNS, I., CURREY, J. & PLUNKETT-COLE, N. Predicting diatom communities at the genus level for the rapid biological assessment of rivers, 317

CHESSMAN, B.C. Predicting the macroinvertebrate faunas of rivers by multiple regression of biological and environmental differences, 747

CLASON, T.A. *see* GREENWOOD, J.L.

COHEN, T. *see* BRIERLEY, G.J.

COOPER, J.K. *see* STANKO,-MISHIC, S.

COPP, G.H. *see* GOZLAN, R.E.

COUCH, K.M., BURNS, C.W. & GILBERT, J.J. Contribution of rotifers to the diet and fitness of *Boeckella* (Copepoda: Calanoida), 107

CULVER, D.A. *see* YU, N.

CUNJAK, R.A. *see* JOHNSTON, T.A.

CURREY, J. *see* CHESSMAN, B.

DAHL, J. & GREENBERG, L. Effects of prey dispersal on predatorprey interactions in streams, 771

D'ANGELO, D.J *see* WEBSTER, J.R.

DAVIES, P.M. *see* BUNN, S.E.

DAVIS, J.A. *see* KAY,W.R.

DAVIS, J.A. *see* SMITH, M.J.

DENWARD, C.M.T., EDLING, H. & TRANVIK, L.J. Effects of solar radiation on bacterial and fungal density on aquatic plant detritus, 575

DINSMORE, W.P., SCRIMGEOUR, G.J. & PREPAS, E.E. Empirical relationships between profundal macroinvertebrate biomass and environmental variables in boreal lakes of Alberta, Canada, 91

DOOLAN, J.A. *see* LADSON, A.R.

EDLING, H. *see* DENWARD, C.M.T.

EDWARD, D.H.D. *see* SMITH, M.J.

EHRMAN, T.P. *see* WEBSTER, J.R.

FAIRWEATHER, P.G. State of environment indicators of 'river health': exploring the metaphor, 211

FINDLAY, D.L., HECKY, R.E., KASIAN, S.E.M., STAINTON, M.P., HENDZEL, L.L. & SCHINDLER, E.U. Effects on phytoplankton of nutrients added in conjunction with acidification, 131

FINLAYSON, B.L. *see* LADSON, A.R.

FLACK, L.K. *see* TURAK E.

FORCHHAMMER, N.C. Production potential of aquatic plants in systems mixing floating and submerged macrophytes, 183

FRYIRS, K. *see* BRIERLEY, G.J.

FULTHORPE, R. *see* STOREY, R.

France, R.L., Relationships between DOC concentration and epilithon stable isotopes in boreal lakes, 101

GARCÍA MARTÍN, J.L. *see* MACHORDOM, A.

GESSNER, M.O. *see* CASAS, J.J.

© 1999 Blackwell Science Ltd

Gilbert, J.J. *see* Couch, K.M.
Gozlan, R.E., Mastrorillo, S., Copp, G.H. & Lek, S. Predicting the structure and diversity of young-of-the-year fish assemblages in large rivers, 809
Greenberg, L. *see* Dahl, J.
Greenwood, J.L., Clason, T.A., Lowe, R.L. & Belanger, S.E. Examination of endopelic and epilithic algal community structure employing scanning electron microscopy, 821
Greulich, S. & Bornette, G. Competitive abilities and related strategies in four aquatic plant species from an intermediately disturbed habitat, 493
Growns, I. *see* Chessman, B.

Halse, S.A. *see* Kay,W.R.
Halse, S.A. *see* Smith, M.J.
Harris, J.H. & Silveira, R. Large-scale assessments of river health using an Index of Biotic Integrity with low-diversity fish communities, 235
Hart, B.T., Maher, B. & Lawrence, I. New generation water quality guidelines for ecosystem protection, 347
Hart, B.T. *see* Ladson, A.R.
Head, R.M., Jones, R.I. & Bailey-Watts, A.E. An assessment of the influence of recruitment from the sediment on the development of planktonic populations of cyanobacteria in a temperate mesotrophic lake, 759
Hecky, R.E. *see* Findlay, D.L.
Hendzel, L.L. *see* Findlay, D.L.
Hervant, F. *see* Malard, F.
Hintze, T. *see* Adrian, R.
Hirst, A. *see* Marchant, R.
Hoeg, S. *see* Adrian, R.
Hondzo, M. & Lyn, D. Quantified small-scale turbulence inhibits the growth of a green alga, 51
Horner, R.R. *see* Anderson, E.L.
Horwitz, P.H.J. *see* Smith, M.J.
House, W.A. *see* Woodruff, S.L.
Hughes, J.M., Mather, P.B., Sheldon, A.L. & Allendorf, F.W. Genetic structure of the stonefly, *Yoraperla brevis*, populations: the extent of gene flow among adjacent montane streams, 63
Hutchens, J.J *see* Webster, J.R.

Istvánovics, V. & Somlyódy, L. Changes in the cycling of phosphorus in the Upper Kis-Balaton Reservoir following external load reduction, 147

Jacoby, J.M. *see* Anderson, E.L.
Johnston, T.A. & Cunjak, R.A. Dry mass-length relationships for benthic insects: a review with new data from Catamaran Brook, New Brunswick, Canada, 653
Jones, R.I. *see* Head, R.M.

Karr, J.R. Defining and measuring river health, 221
Kasian, S.E.M. *see* Findlay, D.L.
Kay,W.R., Smith, M.J., Pinder, A.M., Mcrae, J.M., Davis, J.A. & Halse, S.A. Patterns of distribution of macroinvertebrate families in rivers of north-western Australia, 299
Kay, W.R. *see* Smith, M.J.
Keckeis, H. *see* Reckendorfer, W.
Kilgour, B.W. & Barton, D.R. Associations between stream fish and benthos across environmental gradients in southern Ontario, Canada, 553
Kingsford, R.T. Aerial survey of waterbirds on wetlands as a measure of river and floodplain health, 425
Kuhn, K.L. *see* Paradise, C.J.

Lacroix, G. *see* Bertolo, A.
Ladson, A.R., White, L.J., Doolan, J.A., Finlayson, B.L., Hart, B.T., Lake, P.S. & Tilleard, J.W. Development and testing of an Index of stream condition for waterway management in Australia, 453
Lake, P.S. *see* Ladson, A.R.
Lancaster, J. Small-scale movements of lotic macroinvertebrates with variations in flow, 605
Lawrence, I. *see* Hart, B.T.
Lawrence, I. *see* Maher, W.
Laybourn-Parry, J. *see* Bell, E.M.
Laybourn-Parry, J. *see* Roberts, E.C.
Leadbeater, B.S.C. *see* Woodruff, S.L.
Lek, S. *see* Gozlan, R.E.
Lescher,-Moutoué, F. *see* Bertolo, A.
Lowe, R.L. *see* Greenwood, J.L.
Lyn, D. *see* Hondzo, M.

Machordom, A., García-Martín, J.L., Sanz, N., Almodóvar, A. & Pla, C. Allozyme diversity in brown trout (*Salmo trutta*) from Central Spain: Genetic consequences of restocking, 707
Maddock, I. The importance of physical habitat assessment for evaluating river health, 373
Maher, B. *see* Hart, B.T.
Maher, W., Batley, G.E. & Lawrence, I. Assessing the health of sediment ecosystems: use of chemical measurements, 361
Maier, G. *see* Spadinger, R.
Malard, F. & Hervant, F. Oxygen supply and the adaptions of animals in groundwater, 1
Marchant, R., Hirst, A., Norris, R. & Metzeling, L. Classification of macroinvertebrate communities across drainage basins in Victoria, Australia: consequences of sampling on a broad spatial scale for predictive modelling, 253
Mastrorillo, S. *see* Gozlan, R.E.
Mather, P.B. *see* Hughes, J.M.
Mcrae, J.M. *see* Kay,W.R.
Metzeling, L. *see* Marchant, R.
Mittelbach, G.G. *see* Smith, G.R.
Mori, I. *see* Watanabe, N.C.
Mosisch, T.D. *see* Bunn, S.E.
Moss, D. A Comparison of alternative techniques for

prediction of the fauna of running-water sites in Great Britain, 167
MUNDWILER, B. *see* BAKKER, T.C.M.

NORRIS, R.H. & THOMS, M.C. What is river health?, 197
NORRIS, R. *see* MARCHANT, R.
NORRIS, R.H. *see* SMITH, M.J.
NORRIS, R.H. *see* TURAK, E.

OGDEN, R.W. *see* THOMS, M.C.
PAPAS, P.J. *see* SMITH, M.J.
PARADISE, C.J. & KUHN, K.L. Interactive effects of pH and leaf litter on a shredder, the scirtid beetle *Helodes pulchella*, inhabiting treeholes, 43
PENNETZDORFER, D. *see* TOCKNER, K.
PINDER, A.M. *see* KAY,W.R.
PINDER, A.M. *see* SMITH, M.J.
PLA, C. *see* MACHORDOM, A.
PLUNKETT,-COLE, N. *see* CHESSMAN, B.
PREPAS, E.E. *see* DINSMORE, W.P.

RECKENDORFER, W., KECKEIS, H., WINKLER, G. & SCHIEMER, F. Zooplankton abundance in the River Danube, Austria: the significance of inshore retention, 583
REID, M.A. *see* THOMS, M.C.
REINER, N. *see* TOCKNER, K.
RETTIG, J.E. *see* SMITH, G.R.
RICHARDSON, K. St. J. *see* SMITH, M.J.
RILEY, R.H. *see* TOWNSEND, C.R.
ROBERTS, E.C. & LAYBOURN-PARRY, J. Mixotrophic cryptophytes and their predators in the Dry Valley lakes of Antarctica, 737
ROGERS, K. & BIGGS, H. Integrating indicators, endpoints and value systems in strategic management of the rivers of the Kruger National Park, 439
ROMANÍ, A.M. & SABATER, S. Effect of primary producers on the heterotrophic metabolism of a stream biofilm, 729
RUSCHE, R. *see* ADRIAN, R.

SABATER, F. *see* BUTTURINI, A.
SABATER, S. *see* ROMANÍ, A.M.
SALA, S. *see* BERTOLO, A.
SANZ, N. *see* MACHORDOM, A.
SCHAACK, S.R. *see* SMITH, G.R.
SCHAEFFER, M.A. *see* WEBSTER, J.R.
SCHIEMER, F. *see* RECKENDORFER, W.
SCHIEMER, F. *see* TOCKNER, K.
SCHIMEK, G.M. *see* ANDERSON, E.L.
SCHINDLER, E.U. *see* FINDLAY, D.L.
SCRIMGEOUR, G.J. *see* DINSMORE, W.P.
SHELDON, A.L. *see* HUGHES, J.M.
SILVEIRA, R. *see* HARRIS, J.H.
SILVER, P. *see* STANKO,-MISHIC, S.
SIMPSON, J. *see* TURAK, E.
SIMPSON, J.C. *see* SMITH, M.J.
SMITH, G.R., RETTIG, J.E., MITTELBACH, G.G., VALIULIS, J.L. & SCHAACK, S.R. The effects of fish assemblages of amphibians in ponds: a field experiment, 829
SMITH, M.J., KAY, W.R., EDWARD, D.H.D., PAPAS, P.J., RICHARDSON, K. St. J., SIMPSON, J.C., PINDER, A.M., CALE, D.J., HORWITZ, P.H.J., DAVIS, J.A., YUNG, F.H., NORRIS, R.H. & HALSE, S.A. AusRivAS: using macroinvertebrates to assess ecological condition of rivers in Western Australia, 269
SMITH, M.J. *see* KAY,W.R.
SOMLYÓDY, L. *see* ISTVÁNOVICS, V.
SPADINGER, R. & MAIER, G. Prey selection and diel feeding of the freshwater jellyfish, *Craspedacusta sowerbyi*, 567
STAINTON, M.P. *see* FINDLAY, D.L.
STANKO,-MISHIC, S., COOPER, J.K. & SILVER, P. Manipulation of habitat quality: effects on chironomid life history traits, 719
STOREY, R., FULTHORPE, R. & WILLIAMS, D. Perspectives and predictions on the microbial ecology of the hypoheic zone, 119

TANK, J.L. *see* WEBSTER, J.R.
THOMS, M.C. *see* NORRIS, R.H.
THOMS, M.C., OGDEN, R.W. & REID, M.A. Establishing the condition of lowland floodplain rivers: a palaeo-ecological approach, 407
TILLEARD, J.W. *see* LADSON, A.R.
TOCKNER, K., PENNETZDORFER, D., REINER, N., SCHIEMER, F. & WARD, J.V. Hydrological connectivity, and the exchange of organic matter and nutrients in a dynamic river-floodplain system (Danube, Austria), 521
TOWNSEND, C.R. & RILEY, R.H. Assessment of river health: accounting for perturbation pathways in physical and ecological space, 393
TRANVIK, L.J. *see* DENWARD, C.M.T.
TURAK, E., FLACK, L.K., NORRIS, R.H., SIMPSON, J. & WADDELL, N. Assessment of river condition at a large spatial scale using predictive models, 283

VALIULIS, J.L. *see* SMITH, G.R.

WADDELL, N. *see* TURAK, E.
WALTZ, N. *see* ADRIAN, R.
WARD, J.V. *see* TOCKNER, K.
WARINGER, A. *see* WARINGER, J.
WARINGER, J., BAUMGARTNER, N. & WARINGER, A. Hydraulic microdistribution patterns of larval fire salamanders (*Salamandra salamandra salamandra*) in the Weidlingbach near Vienna, Austria, 31
WATANABE, N.C., MORI, I. & YOSHITAKA, I. Effect of water temperature on the mass emergence of the mayfly, *Ephoron shigae*, in a Japanese river (Ephemeroptera: Polymitarcyidae), 537
WEBSTER, J.R., BENFIELD, E.F., EHRMAN, T.P., SCHAEFFER, M.A, TANK, J.L., HUTCHENS, J.J & D'ANGELO, D.J. What happens to allochthonous material that falls into streams: A synthesis of new and published information from Coweeta, 687

WELCH, E.B. *see* ANDERSON, E.L.
WHITE, L.J. *see* LADSON, A.R.
WILLIAMS, D. *see* STOREY, R.
WINKLER, G. *see* RECKENDORFER, W.
WOODRUFF, S.L., HOUSE, W.A., CALLOW, M.E. & LEADBEATER, B.S.C. The effects of biofilms on chemical processes in surficial sediments, 73
YOSHITAKA, I. *see* WATANABE, N.C.
YU, N. & CULVER, D.A. Estimating the effective clearance rate and refiltration by zebra mussels, *Dreissena polymorpha*, in a stratified reservoir, *481*
YUNG, F.H. *see* SMITH, M.J.